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- (88) Date of publication of the international search report: 24 March 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: USE OF ALLICIN AS PRESERVATIVE, AS DISINFECTANT, AS ANTIMICROBIAL OR AS BIOCIDAL AGENT

(57) Abstract: The present invention provides the use of allicin in (i) the treatment of leishmaniasis; (ii) as a disinfectant or biocidal treatment of aquatic species; (iii) as an antimicrobial agent for animal feed; (iv) as a preservative agent in foodstuffs; (v) as a water disinfectant or biocide; (vi) as an antiparasitic treatment or antibacterial treatment for bees (apis); or (vii) in the preparation of a medicament for the treatment of Glycopeptide Intermediate Resistant Stapohylococcus Aureus.

International Application No T/6B2004/001408

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A23K1/17 A61K31/255

A61P31/10 A61P33/00 A23L3/3535 A61P33/02

A01N59/02 CO2F1/50

A61P31/04

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 A23K A61K A23L A01N A61P C02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, CHEM ABS Data, EMBASE, WPI Data, PAJ, PASCAL, SCISEARCH, CANCERLIT

C. DOCUM	NTS CONSIDERED TO BE RELEVANT	
Calegory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	ANKRI SERGE ET AL: "Antimicrobial properties of allicin from garlic" MICROBES AND INFECTION, vol. 1, no. 2, February 1999 (1999-02), pages 125-129, XP002289130 ISSN: 1286-4579	1-4
(	page 126, column 2, line 1 - page 127, column 2, line 30	16-20
,		

Special categories of cited documents:  A document defining the general state of the art which is not considered to be of particular relevance  E earlier document but published on or after the International filing date  L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another cliation or other special reason (as specified)  O document referring to an oral disclosure, use, exhibition or other means  P document published prior to the international filing date but later than the priority date claimed	*T* tater document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention.  *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone.  *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  *&* document member of the same patent family
Date of the actual completion of the international search  5 October 2004	Date of mailing of the international search report  1 7. 01. 2005
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo ni,  Fax: (+31-70) 340-3016	Authorized officer  Albrecht, S

Patent family members are listed in annex.

Further documents are listed in the continuation of box C.

international Application No . . . /GB2004/001408

ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(	MCCLURE C ET AL: "Effect of medicinal plant extracts on the growth of Leishmania sp. and mammalian cell lines" ABSTRACTS OF THE GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, vol. 94, no. 0, 1994, page 18, XP009033991 & 94TH GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY; LAS VEGAS, NEVADA, USA; MAY 23-27, 1994 ISSN: 1060-2011 the whole document	1-4
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T/GB2004/001408

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International Application No

<u> </u>	Relevant to claim No.
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SANDHU D K ET AL: "SENSITIVITY OF YEASTS ISOLATED FROM CASES OF VAGINITIS TO AQUEOUS EXTRACTS OF GARLIC" MYKOSEN, vol. 23, no. 12, 1980, pages 691-698, XP009037478 ISSN: 0027-5557 page 691-692, chapter "Introduction", paragraph 2 page 693; table 2 page 695, paragraph 3 page 696; table 4	1,16-20
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nternational application No. PCT/GB2004/001408

1
Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 1, 2, 16, 18, 19 because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1,2,16,18,19 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. X as only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-4,13-21 (1 in part)
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210					
Continuation of Box II.1					
Although claims 1,2,16,18,19 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.					

nformation on patent family members

International Application No 1/GB2004/001408

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